


 INTERNATIONALE ANMELDUNG VERÖFFENTLICHT NACH DEM VERTRAG ÜBER DIE  
 INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES PATENTWESENS (PCT)

(51) Internationale Patentklassifikation <sup>7</sup> : <b>A61K 7/06, 7/13</b>		<b>A1</b>	(11) Internationale Veröffentlichungsnummer: <b>WO 00/59457</b>
		(43) Internationales Veröffentlichungsdatum:	12. Oktober 2000 (12.10.00)
(21) Internationales Aktenzeichen: PCT/EP00/02538 (22) Internationales Anmeldedatum: 22. März 2000 (22.03.00) (30) Prioritätsdaten: 199 14 927.5 1. April 1999 (01.04.99) DE (71) Anmelder (für alle Bestimmungsstaaten ausser US): HANS SCHWARZKOPF GMBH & CO. KG [DE/DE]; Hohen- zollenring 127, D-22763 Hamburg (DE). (72) Erfinder; und (75) Erfinder/Anmelder (nur für US): AKRAM, Mustafa [DE/DE]; Zylinderbergstrasse 14, D-22457 Hamburg (DE). WOLFF, Wolfgang [DE/DE]; Neue Strasse 36, D-22941 Bargteheide (DE). ROHWEDER, Sandra [DE/DE]; Daimlerwiete 3, D-22763 Hamburg (DE).		(81) Bestimmungsstaaten: AU, BR, CA, CN, CZ, HU, JP, NO, PL, RU, SK, US, VN, europäisches Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Veröffentlicht Mit internationalem Recherchenbericht.	
(54) Title: PHOSPHATE-TYPE TENSIDES COMBINED WITH HAIR CONDITIONING AGENTS IN HAIR COLOURING COMPO- SITIONS			
(54) Bezeichnung: PHOSPHATTYP TENSIDE KOMBINIERT MIT HAARKONDITIONIERMITTELN IN HARRFÄRBUNGSZUSAMMENSETZUNGEN			
(57) Abstract			
<p>The invention relates to treatment agents with care properties for fibres containing keratin, especially human hair. Said agents contain at least one tenside of formula (I), wherein y represents a whole number from 0 to 2, x represents a whole number from 1 to 3, on the condition that x+y=3, M represents hydrogen, an equivalent of an alkaline or alkaline earth metal cation, an ammonium cation or an alkyl radical with 1 to 4 carbon atoms which is optionally substituted with one or more hydroxy groups, B represents an equivalent of a physiologically compatible anion and R represents a radical of formula (II) wherein z represents a whole number from 1 to 4, R<sup>1</sup> and R<sup>2</sup> represent a C<sub>1</sub>-C<sub>4</sub> alkyl radical, independently of each other, said C<sub>1</sub>-C<sub>4</sub> alkyl radical being optionally substituted with one or more hydroxy groups or an acyl group, A represents -O-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-, -O-CH<sub>2</sub>-CH<sub>2</sub>- or -O-CH<sub>2</sub>-CHOH-CH<sub>2</sub>- and R<sup>3</sup> represents a) a branched or unbranched, saturated C<sub>8</sub>- to C<sub>18</sub>-acyl radical or b) a branched or unbranched, mono- or polyunsaturated C<sub>8</sub>- to C<sub>18</sub>-acyl radical and at least one conditioning component. The inventive agents improve the feel of the hair being treated, make it easier to comb when wet and improve shine. They have proven to be particularly suitable for use in colorants since this produces colours with improved fastness properties.</p>			
$\left[ (\text{MO})_y \text{P} \begin{array}{c} \text{O} \\ \parallel \end{array} (\text{R})_x \right]^{x+} + x \text{B}^{\ominus} \quad (I)$			
$-\text{A}-\overset{\text{R}^1}{\underset{\text{R}^2}{\text{N}}}-\text{C}_z\text{H}_{2z}-\overset{\text{H}}{\text{N}}-\text{R}^3 \quad (II)$			